Eagle Point Solution to a Frequently Asked Question

How to Calculate Storage Volume

Summary:
This document explains the process of calculating the total storage volume at a specified elevation.

Product: Eagle Point Software™ 2002
Release: 2002 Q4 or 2.4.0 and greater
Platform: All
Related documents:

As always, should you have any questions regarding any phase of installation, contact Eagle Point Technical Assistance at (800) 477-0909.

Notation Method

Button to Press *Displayed Text* **Icon** Action {Text to Enter} *Menu Item…*

Draw a Boundary Around the Volume Calculation Area

1. In AutoCAD, click on the **Layer Manager Icon**.
2. Set the *1.Brdr* layer to current.
3. Click OK close out of Layer Manager.
4. Click **Polyline** and draw a border that will represent an outer limit for the volume calculation area. Typically this would extend downstream to the dam and upstream around the entire contours. To close the line cleanly, type {C} and press Enter.

Calculating a Storage Volume at a Defined Elevation

1. From AutoCAD, click *NRCS/EP… Volumes… Calculate Prismoidal….*
2. Pulldown original surface model to the desired name. E.g. {*Ognd*} or {*Basin*}.
3. Below Final Surface Model. Checkmark Use Constant Elevation.
4. Input the defined elevation. E.g. {1127.5}.
5. Checkmark Use Boundary.
6. Click Apply.
7. Select the boundary.
8. Pull down the volume unit to switch to Cu Ft, Ac Ft, or Cu Yd.
9. Click the **Printer Icon** to print.
10. When done click Close. Click Close.

Submitted by Norman Friedrich.

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